SECTION PROPERTIES

TOPPING	0 CM.	5 CM.
A (cm.^{2})	1,198	-
I (cm.^{4})	58,728	111,289
Y_b (cm.)	10.08	13.55
Y_t (cm.)	9.92	11.45
Z_b (cm.^{3})	5,828	8,211
Z_t (cm.^{3})	5,919	9,722
w (kg/m.^{2})	240	377
e (cm.)	7.08	10.55
b_w (cm.)	37	37
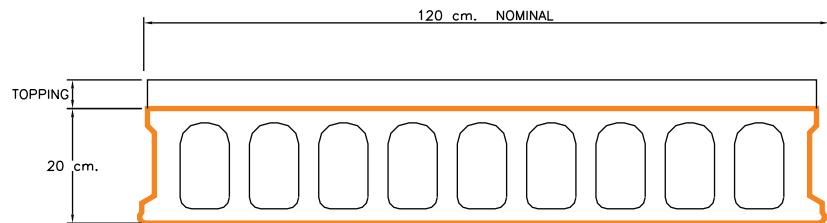
TOPPING	No. of STRAND	Ø Mn (kg-m.)	SAFE SUPERIMPOSED SERVICE LOADS (KGS/SQ.M) SIMPLE SPAN IN METER													
			4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5
0 cm.	4-Ø 3/8"	6,002.02	1,268	960	739	575	451	354	278	216	165					
	5-Ø 3/8"	7,399.55	1,615	1,235	963	761	608	489	394	318	255	203	160			
	6-Ø 3/8"	8,757.61	1,948	1,498	1,176	937	756	615	503	412	338	277	226	182		
	7-Ø 3/8"	10,077.05	2,272	1,753	1,383	1,108	900	737	608	504	419	349	290	240	197	160
	8-Ø 3/8"	11,358.68	2,586	2,002	1,584	1,274	1,039	856	711	594	498	418	352	295	247	206
	9-Ø 3/8"	12,603.33	2,891	2,243	1,779	1,436	1,175	972	811	681	574	486	412	349	296	250
	10-Ø 3/8"	13,811.79	3,123	2,477	1,968	1,592	1,306	1,084	907	765	648	552	471	402	343	293
	2-Ø 1/2"+8-Ø 3/8"	15,671.99	3,122	2,476	2,260	1,824	1,499	1,247	1,046	885	752	640	544	462	392	332
	4-Ø 1/2'+6-Ø 3/8"	17,444.79	3,122	2,476	2,476	1,985	1,670	1,397	1,170	990	847	725	623	536	462	397
5 cm.	4-Ø 3/8"	7,644.69	1,558	1,165	884	676	517	399	301	222						
	5-Ø 3/8"	9,387.33	1,985	1,502	1,162	906	712	560	440	343	264	181				
	6-Ø 3/8"	11,066.19	2,401	1,832	1,425	1,124	894	716	575	461	367	275	188			
	7-Ø 3/8"	12,683.05	2,798	2,145	1,679	1,333	1,071	866	704	573	466	369	272	189		
	8-Ø 3/8"	14,239.62	3,179	2,447	1,923	1,535	1,240	1,011	829	682	562	462	356	265	187	
	9-Ø 3/8"	15,737.62	3,546	2,737	2,158	1,729	1,403	1,150	949	786	653	543	439	340	255	182
	10-Ø 3/8"	17,178.71	3,783	3,015	2,384	1,916	1,560	1,284	1,064	887	732	588	467	365	277	202
	2-Ø 1/2"+8-Ø 3/8"	19,370.06	3,783	3,015	2,727	2,190	1,789	1,477	1,229	1,030	866	712	575	460	361	276
	4-Ø 1/2'+6-Ø 3/8"	21,426.44	3,783	3,015	2,959	2,389	2,013	1,668	1,394	1,173	993	842	700	572	462	368